

Robert D. Harrington, Jr.

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Positions:

7/03 - present Graduate Research Assistant, Northeastern University, Boston.
Member of the *DØ* Collaboration.
12/02 - 7/03 GAANN fellowship recipient, Northeastern University.
Graduate student, Northeastern University.
6/00 - 2/02 Manufacturing Manager, E-Beam Review Division,
KLA-Tencor, Bedford, Massachusetts.
6/98 - 6/00 Engineering Instructor, Nuclear and Steam Propulsion,
United States Navy, Newport, Rhode Island.
3/95 - 6/98 Nuclear Propulsion Officer, United States Navy.
5/93 - 3/95 Officer Student, United States Navy.

Education:

May 1993 Bachelor of Science in Physics, The University of Texas at Austin.

WORK AND RESEARCH EXPERIENCE

DØ Experiment (Fermilab, Batavia, IL), July 2003 - present: study of proton-antiproton collisions at a center-of-mass energy of 2 TeV.

- performed testing and installation of scintillation detectors to improve trigger coverage and muon acceptance for the DØ detector.
- performed data studies resulting in improvement to calibration of muon detection system.

KLA-Tencor Corporation (Bedford, MA), June 2000 - June 2002: managed manufacturing of thermal field emission electron sources for applications of electron microscopy to semiconductor wafer inspection.

U.S. Navy, June 1993 - June 2000:

- (1998-2000) **Engineering Instructor:** developed and implemented curriculum covering all aspects of nuclear and conventional steam plant engineering for 300 junior officer students per year
- (1995-1998) **Nuclear Propulsion Officer:** responsible for overseeing operations of nuclear power plant propulsion and electrical power generation on an aircraft carrier.